

Title (en)

Self-compensated and electrically heated reducer for compressed gas or L.P.G.

Title (de)

Selbstkompensiertes und elektrischbeheiztes Reduzierventil für komprimiertes Gas oder Flüssiggas.

Title (fr)

Détendeur chauffé électriquement et auto-compensé pour gas comprimé ou gas de pétroles liquéfiés.

Publication

EP 0526410 A1 19930203 (EN)

Application

EP 92830200 A 19920430

Priority

IT BO910290 A 19910730

Abstract (en)

A self-compensating and electrically heated reducer for compressed gas or l.p.g. comprising, a supporting body (1), a chamber (5) formed inside the body (1); a diaphragm (19); an opening inlet (6) between an entrance (2) and the chamber (5); a closing mechanism (7) for an opening inlet (6) controlling the flow rate of fuel owing to the action of manoeuvring elements (12, 30), kinematically connected to the diaphragm (1), on the device (7) controlling the pressure of the fuel coming from the bottle; a mechanism (26,30) which acts on at least one of the manoeuvring elements (12,17) to cancel the resultant of the action of the pressure of the fuel on the mechanism (7); electrical resistors (37) connected with the feeding system in the engine placed in thermic contact with the walls (38) of the body (1) near the inlet (6). <IMAGE>

IPC 1-7

F02M 21/02; **G05D 16/06**

IPC 8 full level

F02M 21/02 (2006.01); **F02M 21/06** (2006.01); **G05D 16/06** (2006.01)

CPC (source: EP US)

F02M 21/0233 (2013.01 - EP US); **F02M 21/0239** (2013.01 - EP US); **F02M 21/06** (2013.01 - EP US); **G05D 16/0686** (2013.01 - EP US); **F02M 21/0212** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0182952 A1 19860604 - BARBANTI BOLOGNA BB SRL [IT]
- [Y] US 1450236 A 19230403 - ANDERSON JAMES L, et al
- [A] US 3565201 A 19710223 - PETSINGER ROBERT E
- [A] EP 0164465 A1 19851218 - SZLOBODA DAVID TIBOR

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0526410 A1 19930203; **EP 0526410 B1 19950322**; AU 2444992 A 19930302; AU 674660 B2 19970109; BG 61737 B1 19980430; BG 98427 A 19940830; BR 9206401 A 19941220; CA 2114432 A1 19930218; DE 69201765 D1 19950427; DE 69201765 T2 19951130; HU 9400248 D0 19940530; HU T67908 A 19950529; IT 1252911 B 19950705; IT BO910290 A0 19910730; IT BO910290 A1 19930130; JP H07503509 A 19950413; RU 2091601 C1 19970927; US 5445134 A 19950829; WO 9303269 A1 19930218

DOCDB simple family (application)

EP 92830200 A 19920430; AU 2444992 A 19920722; BG 9842794 A 19940128; BR 9206401 A 19920722; CA 2114432 A 19920722; DE 69201765 T 19920430; HU 9400248 A 19920722; IT 9200085 W 19920722; IT BO910290 A 19910730; JP 50345193 A 19920722; RU 94015162 A 19920722; US 18212194 A 19940131